

**Autumnwood ESH Consultants, LLC**

6539 Autumnwood Court1
Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

9 October 2014

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Monthly Progress Report for September 2014

Dear Mr. Nordine:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of September 2014.

The eDMR for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR for September 2014 and is also attached to this report.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Thomas Hanewald	Central Wire
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
September 2014

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 506,000 gallons per day with a maximum daily flow of 511,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for September 2014 is attached to this report.

The laboratory analytical report noted that the samples arrived at the lab on September 24, 2014 at 1.1° C and the trip blank prepared and sent to Central Wire from the lab had a greater than pea sized bubble in it.

The **Ex. 6 Personal Privacy (PP)** well ran for a total of 55 hours from August 25 to October 1, 2014. **Ex. 6 Personal Privacy (PP)** pumped did not run during this period.

Summary of 2014 Irrigation Hours at **Ex. 6 Personal Privacy (PP)**
(August 25 through October 1, 2014)

Ex. 6 Personal Privacy (PP)				
Date of Hour Meter Reading	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
8/25/2014	5454	0	3173	0
9/2/2014	5454	0	3174	1
9/15/2014	5454	0	3182	8
9/22/2014	5454	0	3200	18
10/1/2014	5454	0	3228	28
Totals		0		55

The groundwater level monitoring data from downgradient monitoring well DGW-21 continues to be collected. The table of recorded groundwater levels between September 2 and October 1, 2014 in monitoring well DGW-21 is attached to this report. Water levels ranged from a low on September 13, 2014 of 813.837 feet above mean sea level to the high on September 10, 2014 of 814.939 feet, a range of 1.102 feet. The graphs showing the variation in water elevations over time vs. precipitation and vs. hours of irrigation wells pumped per week is embedded in this table.

2. **Summary of Validated Data and Results** – The monthly effluent sampling took place on August 13, 2014. The permit limitations and analytical results are shown below.

Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum, ug/L)	August 2014 Analytical Results, ug/L
1,1,1-Trichloroethane	20	0.64 J
Trichloroethene	20	0.91
Tetrachloroethene	20	0.94 J

J = Result was less than the reporting limit but greater than or equal to the method detection limit.

The September analytical report is attached to this Monthly Progress Report.

3. **Upcoming Events/Activities Planned** -- The existing remediation systems will continue to operate as planned.

Central Wire is planning to flush the force main and clean up the wells and pumps to increase the flow of groundwater to the treatment facility. Central Wire has received and approved a proposal from Water Well Solutions of Oconomowoc, WI to do this work which is currently being scheduled.

The USEPA has requested that Central Wire again determine the location of the leading edge of the chlorinated groundwater plume. They have requested that Central Wire coordinate this event with the fall semiannual well sampling. This work is planned to start on October 27, 2014

4. **Anticipated Problem Areas and Recommended Solutions** -- None.
5. **Key Personnel Changes** -- None.
6. **Target and Actual Completion Dates** -- This project has not deviated from the project schedule.